

# 10th Class 2021

Chemistry	Group-I	Paper-II
Time: 15 Minutes	(Objective Type)	Marks: 12

**Note:** Four possible answers A, B, C and D to each question are given. The choice which you think is correct, fill that circle in front of that question with Marker or Pen ink in the answer-book. Cutting or filling two or more circles will result in zero mark in that question.

1-1- **Glucose is:**

- (a) Hexahydroxy aldehyde
- (b) Hexahydroxy ketone
- (c) Pentahydroxy aldehyde ✓
- (d) Pentahydroxy ketone

2- **Matte is mixture of:**

- (a) FeS and CuS
- (b)  $\text{Cu}_2\text{O}$  and FeO
- (c)  $\text{Cu}_2\text{S}$  and FeS ✓
- (d)  $\text{Cu}_2\text{S}_2$  and FeS

3- **The functional group  $-\text{COOH}$  is found in:**

- (a) Carboxylic acid ✓
- (b) Aldehyde
- (c) Alcohols
- (d) Esters

4- **Which gas protects the earth surface from ultraviolet radiations?**

- (a)  $\text{CO}_2$
- (b) CO
- (c)  $\text{N}_2$
- (d)  $\text{O}_3$  ✓

5- **Formula of urea is:**

- (a)  $\text{NH}_2\text{COONH}_4$
- (b)  $\text{NH}_2\text{COONH}_2$
- (c)  $\text{NH}_2\text{CONH}_4$
- (d)  $\text{NH}_2\text{CONH}_2$  ✓

6- **For a reaction between  $\text{PCl}_3$  and  $\text{Cl}_2$  to form  $\text{PCl}_5$ , the unit of  $K_c$  are:**

- (a)  $\text{mol dm}^{-3}$
- (b)  $\text{mol}^{-1} \text{dm}^{-3}$
- (c)  $\text{mol}^{-1} \text{dm}^3$  ✓
- (d)  $\text{mol dm}^3$

- 7- Alkenes are prepared from alcohols by process called:
- (a) Dehydrogenation (b) Dehalogenation  
(c) Dehydration ✓ (d) Dehydrohalogenation
- 8- The new substance formed in chemical reaction is:
- (a) Reactant (b) Product ✓  
(c) Forward (d) Reverse
- 9- Just above the earth's surface is:
- (a) Mesosphere (b) Stratosphere  
(c) Thermosphere (d) Troposphere ✓
- 10- The reduction of alkyl halides takes place in the presence of:
- (a) Zn / HCl ✓ (b) Na / HCl  
(c) Mg / HCl (d) Cu / HCl
- 11- Which ion is the Conjugate base of sulphuric acid:
- (a)  $\text{SO}_3^{2-}$  (b)  $\text{S}^{2-}$   
(c)  $\text{HSO}_3^-$  (d)  $\text{HSO}_4^-$  ✓
- 12- Water dissolves non-ionic compound by:
- (a) Ion ion forces  
(b) Ion dipole forces  
(c) Dipole dipole forces  
(d) Hydrogen bonding ✓